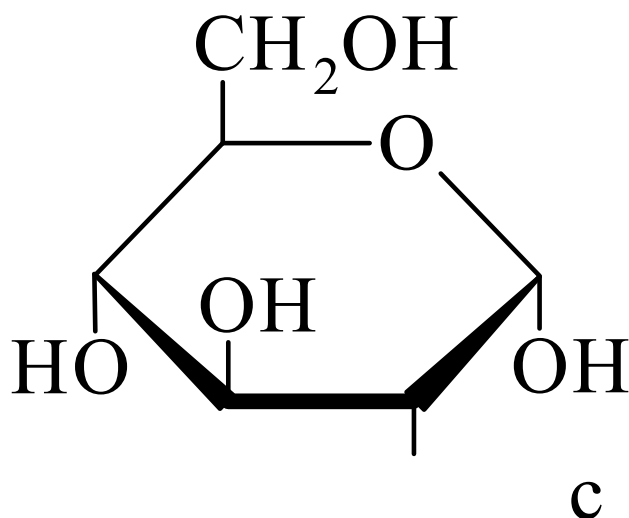




>>Entry Name: 2-Acetamido-2-deoxyglucose

Synonym(s): 2-(Acetylamino)-2-deoxyglucose, 9Cl. N-Acetylglucosamine



α -D-Pyranose-form

CAS Registry Number: 7512-17-6

Related CAS Registry Numbers(s): 134451-97-1 134522-12-6

Molecular Formula: $C_8H_{15}NO_6$

Molecular Weight: 221.21

Accurate Mass: 221.089939

Percentage Composition: C 43.44%; H 6.83%; N 6.33%; O 43.40%

Biological Source: Also in the exopolysaccharide from blue-green alga *Cyanospira capsulata*

Aldrich: A1628-9

Fluka: 1140

Sigma: A3286

>>Variant: D-form

Molecular Formula: $C_8H_{15}NO_6$

Molecular Weight: 221.21

Accurate Mass: 221.089939

Percentage Composition: C 43.44%; H 6.83%; N 6.33%; O 43.40%

Source/Synthesis: Monomer of Chitin [BVM67-G](#)

Melting Point: Mp 205°

Optical Rotation: $[\alpha]_D^{18} +64 \rightarrow +41$ (H₂O)

Other Data: Homopolymers with α -1,4- and with β -1,6-glycosidic links have been synth. using condensation polym.